**The Flow Rate of Fluids**

**Purpose:** The purpose of the lab is …

**Hypothesis:** I think that the fluids will finish in the following order…

I think that the relationship between viscosity and flow rate is…

**Materials List**:

* 20 textbooks
* Long board to act as a ramp
* Masking Tape
* Etc.

**Procedure:** Refer to pages … of Science Power 8 textbook.

**Observations:**

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| --- | --- | --- | --- | --- |
| **Fluid** | **Time (s)** | **Flow Rate (cm/s)** | **Ranked Viscosity** | **Ranked Flow Rate** |
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**Analysis Questions:**

4. Two possible **sources of error** that might have affected our results during the demonstration were…

7. a. The liquids that were the **most difficult to measure** were… because…

b. We could have **done the following things to the ramp** to make it easier to measure these liquids:

8. **Comparative Bar graph** – Graph the flow rates of each of the fluids we tested in class.

**Conclusions**: I conclude that my original predictions about the flow rates of the fluids were \_\_\_\_\_\_\_\_\_\_\_ accurate. In fact, I got all of them correct/wrong except…

I conclude that flow rate and viscosity of fluids are related in the following ways: